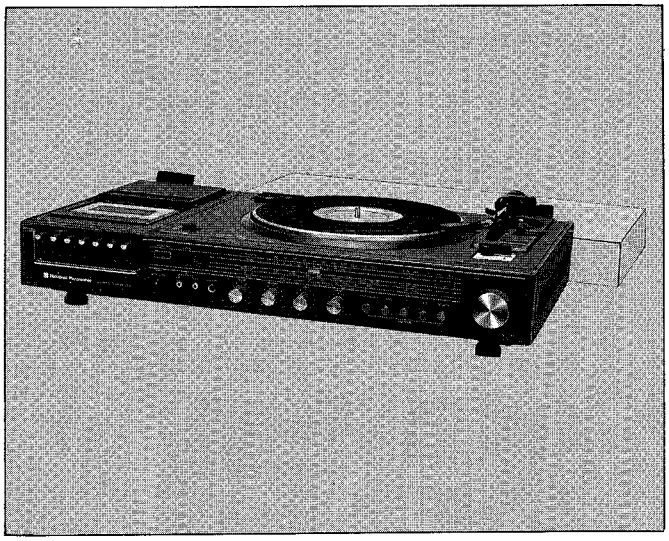
ORDER NO. TSD-7707-279

Service Manual

Compact Stereo

FM/AM/FM STEREO RADIO WITH CASSETTE TAPE DECK AND RECORD PLAYER

SG-1030L



Specifications

AMPLIFIER SECTION

Power Output	MPO 2 × 15W (THD5%, 4 ohms) RMS 2 × 10W (THD5%, 4 ohms) One Channel Driven
Frequency Response	20 Hz ~ 20 kHz −3 dB
Power Band Width	30 Hz ~ 30 kHz −3 dB
Input Sensitivity and Impedance:	
Mic	1 mV, 3k ohms
AUX	300 mV, 100k ohms
Rec Out and Impedance	DIN: 30 mV, 82k ohms
Tone Controls:	
Bass	+10 dB −13 dB at 50 Hz
Treble	+10 dB −10 dB at 10 kHz

FM TUNER SECTION

Frequency Range	87.5 MHz ~ 108 MHz
Intermediate Frequency (IF)	10.7 MHz
Sensitivity	4 μV (S/N 30 dB MOD 22.5 kHz) 2.5 μV (S/N 26 dB MOD 40 kHz) (DIN)
Image Ratio	40 dB (98 MHz)
Signal/Noise Ratio	58 dB (at 1 kHz, 60 dB, 40 kHz) (DIN)
Distortion	MONO 0.5% (at 1 kHz, 60 dB, 40 kHz) STEREO 0.6% (at 1 kHz, 60 dB, 40 kHz)
Stereo Separation	38 dB (at 1 kHz, 60 dB, 40 kHz)
Selectivity	55 dB (98 MHz, 40 dB, 30%, 400 Hz)

AM TUNER SECTION

Frequency Range	MW: 525 kHz ~ 1605 kHz (572 m ~ 187 m) LW: 145 kHz ~ 350 kHz (2070 m ~ 857 m)
Intermediate Frequency (IF)	455 kHz
Sensitivity	MW: 100 μV/m for 50 mV (1 MHz) LW: 250 μV/m for 50 mW (220 kHz)
Image Ratio	MW: 45 dB (1 MHz) LW: 50 dB (220 kHz)

RECORD PLAYER SECTION

Player System	Belt-Drive, Automatic Return
Turntable	25 cm (10″)
Turntable Speeds	33-1/3 and 45 rpm 2-speed
Wow and Flutter	0.25% (DIN-WTD)
Cartridge	Ceramic
Stylus	Sapphire
Stylus Pressure	6 ± 1 g
Frequency Response	25 Hz ~ 15 kHz
Separation	≧ 15 dB
Signal/Noise Ratio	53 dB (DIN-B)

TAPE DECK SECTION

Deck System	Auto-Stop Cassette System
Recording System	AC bias (52 kHz)
Erasing System	AC erase (52 kHz)
Tape Speed	4.75 cm/sec. (1-7/8 i.p.s.)
Frequency Response	30 Hz ~ 10 kHz (NORMAL) 30 Hz ~ 12 kHz (CrO_2)
Signal/Noise Ratio	52 dB (DIN)
Wow and Flutter	0.15% (WRMS)

POWER CONSUMPTION 62W

POWER SUPPLY ..... AC 110, 120, 220, 240V, 50/60 Hz

DIMENSIONS (W × H × D)

Center Unit ..... 600 mm × 165 mm × 352 mm (23-5/8″) × (6-1/2″) × (13-27/32″)

WEIGHT:

Center Unit ..... 7.8 kg (17 lbs 3 oz)

* Specifications are subject to change without notice for further improvement.

National Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

DISASSEMBLY INSTRUCTIONS

■ **To Remove Record Player (To Replace Components)**

1. Remove T.T. mat.
2. Remove belt from the motor pulley. (Fig. 1)
3. Remove two (2) bottom board mounting screws and unplug 5P connector plug from chassis. (Fig. 3)
4. Remove five (5) bottom cover mounting screws. (Fig. 3)
5. To reassemble reverse above procedure.

■ **To Remove Escutcheon from Chassis**

1. Remove five (5) knobs from escutcheon assembly.
2. Remove seven (7) escutcheon assembly mounting screws (Fig. 3, 4)
3. To reassemble reverse above procedure.

■ **To Remove Cassette Deck**

1. Push EJECT button to open cassette lid.
2. Remove cassette lid by sliding while holding the rear side in the direction of arrow. (Fig. 2)
3. Remove two (2) cassette cover mounting screws. (Fig. 5)
4. Remove four (4) cassette cover mounting screws. (Fig. 3)
5. Remove four (4) cassette deck mounting screws. (Fig. 6)
6. To reassemble reverse above procedure.

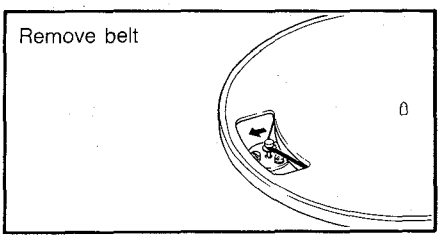


FIG. 1

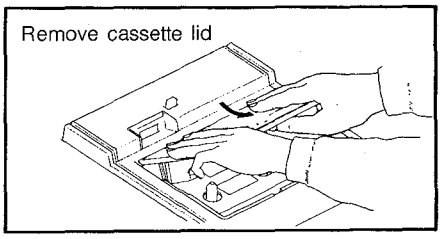


FIG. 2

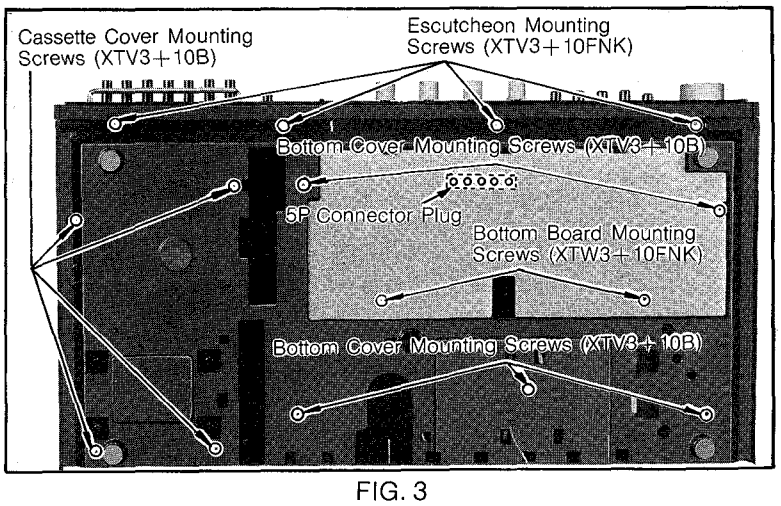

Cassette Cover Mounting Screws (XTV3+10B)
Escutcheon Mounting Screws (XTV3+10FNK)
Bottom Cover Mounting Screws (XTV3+10B)
5P Connector Plug
Bottom Board Mounting Screws (XTW3+10FNK)
Bottom Cover Mounting Screws (XTV3+10B)

FIG. 3

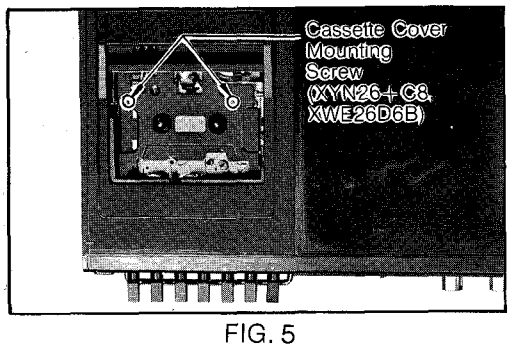


FIG. 5

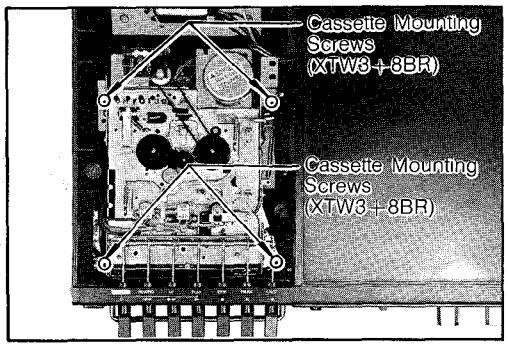


FIG. 6

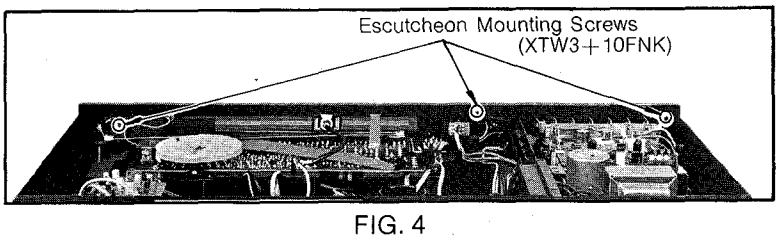


FIG. 4

■ **To Replace Cartridge**

1. To remove cartridge, push it in direction of arrow A, as shown in Fig. 7.
2. To install cartridge, push it in the direction of arrow B, as shown in Fig. 7.
3. Disconnect four (4) connectors from cartridge terminals gently.
4. Fit the new one. (When installing wires, make sure they are fitted correctly on their proper positions onto connectors.)
5. The cartridge should be perpendicular with the head shell (pickup) and it should be installed straight upward, observing that its edge is in line with the head shell.

■ **To Replace Stylus**

1. Lift pickup arm to a position that will make the stylus accessible. (Fig. 8)
2. Gently pull out worn stylus and replace new stylus into correct position. (Fig. 8)

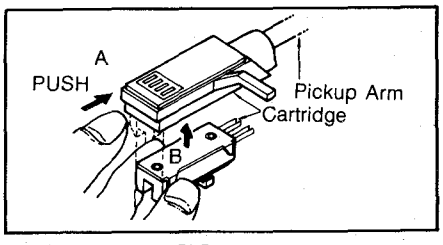


FIG. 7

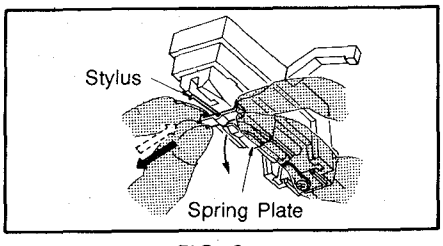
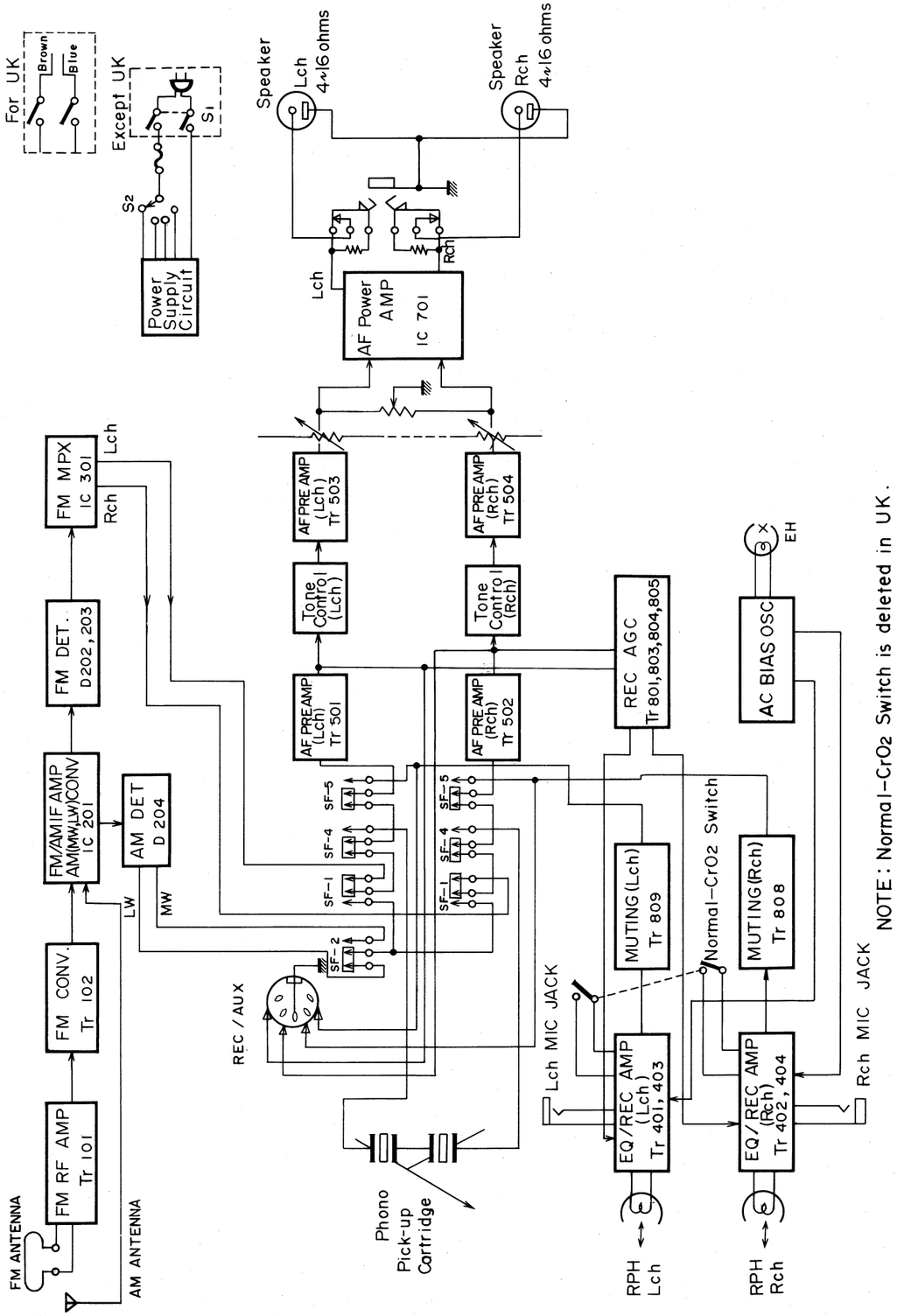


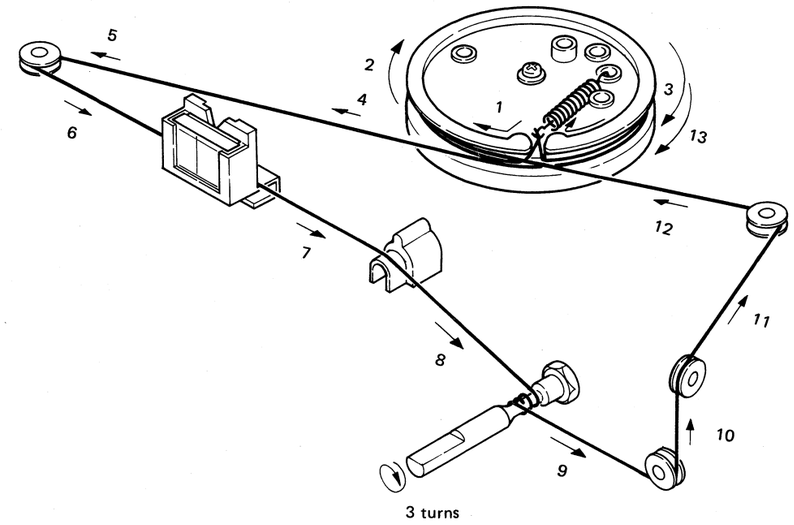
FIG. 8

BLOCK DIAGRAM

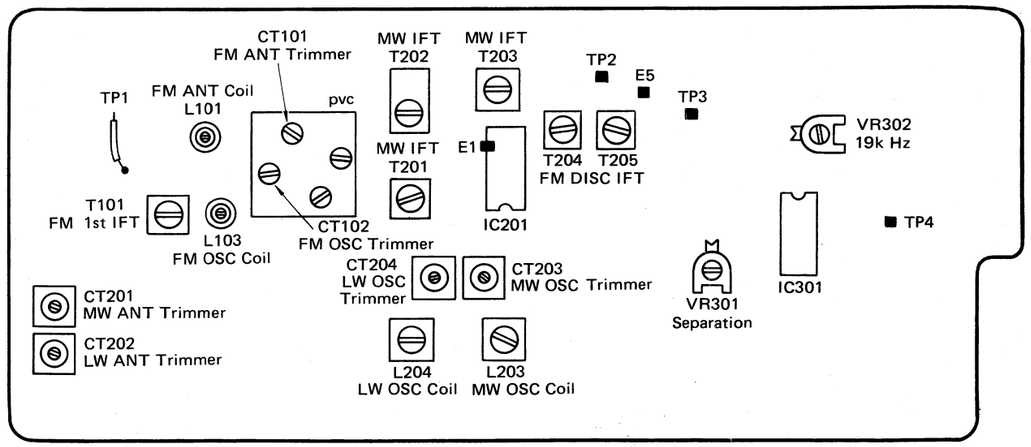


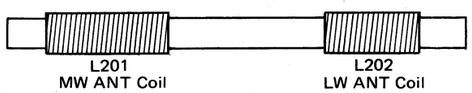
NOTE : Normal–CrO2 Switch is deleted in UK.

DIAL CORD STRINGING GUIDE

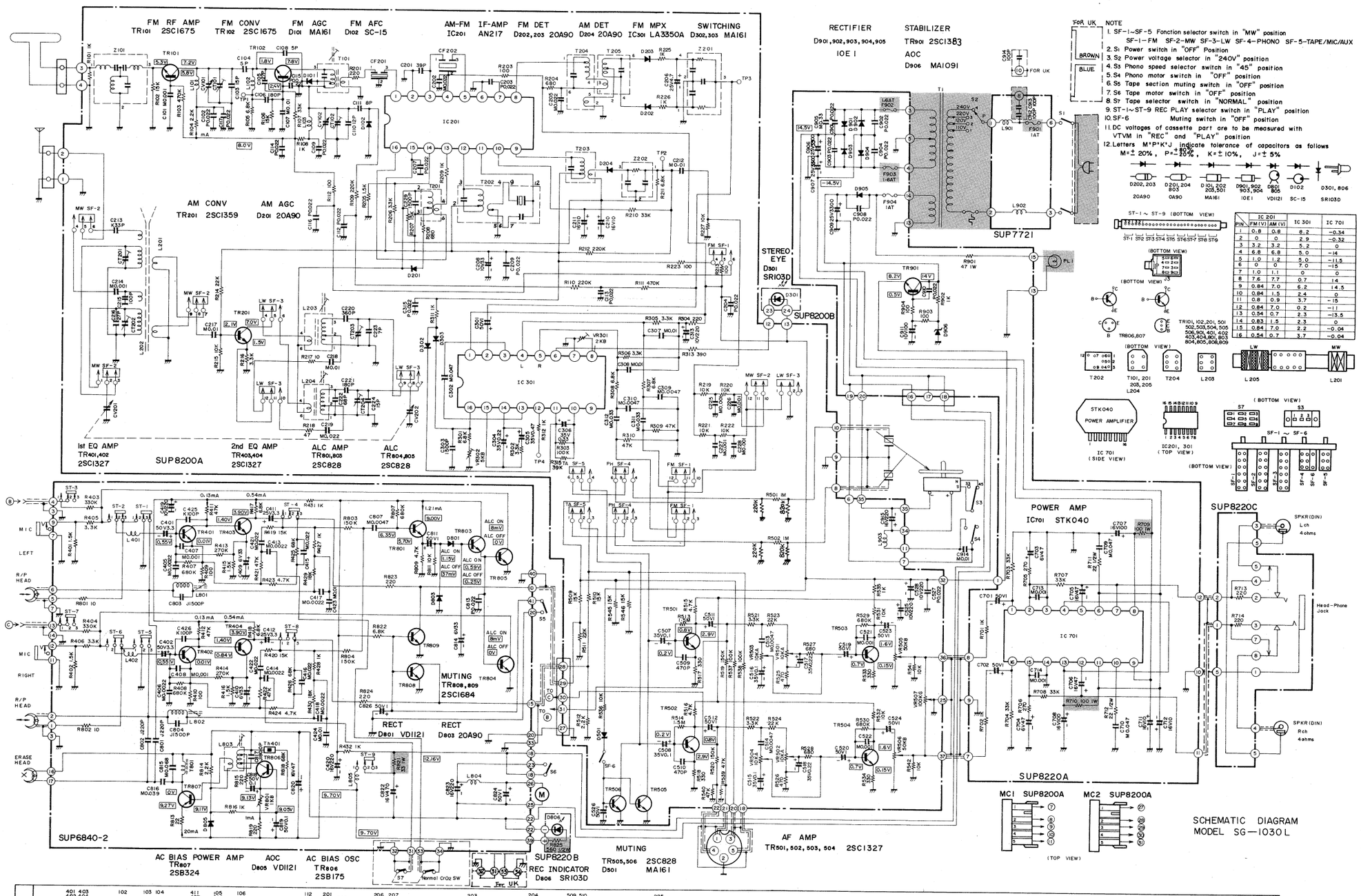


ALIGNMENT INSTRUCTIONS (RADIO)–1





SCHEMATIC DIAGRAM


FM RF AMP TR101 2SC1675
FM CONV TR102 2SC1675
FM AGC D101 MA161
FM AFC D102 SC-15
AM-FM IF-AMP IC201 AN217
FM DET D202,203 20A90
AM DET D204 20A90
FM MPX IC301 LA3350A
SWITCHING D302,303 MA161
AM CONV TR201 2SC1359
AM AGC D201 20A90
SUP8200A
1st EQ AMP TR401,402 2SC1327
2nd EQ AMP TR403,404 2SC1327
ALC AMP TR801,805 2SC828
ALC TR804,805 2SC828
SUP6840-2
AC BIAS POWER AMP TR807 2SB324
AOC D805 VD1121
AC BIAS OSC TR806 2SB175
SUP8220B
REC INDICATOR D806 SR103D
MUTING TR808,809 2SC1684
MUTING TR505,506 2SC828 D501 MA161
AF AMP TR501,502,503,504 2SC1327
RECTIFIER D901,902,903,904,905 10E1
STABILIZER TR901 2SC1383 AOC D906 MA1091
STEREO EYE D301 SR103D
SUP8200B
SUP7721
POWER AMP IC701 STK040
SUP8220C
SUP8220A
MC1 SUP8200A
MC2 SUP8200A
SCHEMATIC DIAGRAM MODEL SG—1030L
NOTE
1. SF-1~SF-5 Fonction selector switch in "MW" position SF-1-FM SF-2-MW SF-3-LW SF-4-PHONO SF-5-TAPE/MIC/AUX
2. S1 Power switch in "OFF" Position
3. S2 Power voltage selector in "240V" position
4. S3 Phono speed selector switch in "45" position
5. S4 Phono motor switch in "OFF" position
6. S5 Tape section muting switch in "OFF" position
7. S6 Tape motor switch in "OFF" position
8. S7 Tape selector switch in "NORMAL" position
9. ST-1~ST-9 REC PLAY selector switch in "PLAY" position
10. SF-6 Muting switch in "OFF" position
11. DC voltages of cassette part are to be measured with VTVM in "REC" and "PLAY" position
12. Letters M*P*K*J indicate tolerance of capacitors as follows M:± 20%, P:+100% −25%, K:± 10%, J:± 5%
FOR UK
BROWN
BLUE
D202, 203 20A90
D201, 204 0A90
D101, 202, 205, 501 MA161
D901, 902, 903, 904 10E1
D801 805 VD1121
D102 SC-15
D301, 806 SR103D
ST-1 ~ ST-9 (BOTTOM VIEW)
ST1 ST2 ST3 ST4 ST5 ST6 ST7 ST8 ST9
IC 201
PIN | FM (V) | AM (V) | IC 301 | IC 701
1 | 0.8 | 0.8 | 8.2 | −0.34
2 | 0 | 0 | 2.9 | −0.32
3 | 3.2 | 3.2 | 5.2 | 0
4 | 6.8 | 6.8 | 5.0 | −14
5 | 1.0 | 1.2 | 5.0 | −11.5
6 | 0 | 0 | 7.0 | −15
7 | 1.0 | 1.1 | 0 | 0
8 | 7.6 | 7.7 | 0.7 | 14
9 | 0.84 | 7.0 | 6.2 | 14.5
10 | 0.84 | 1.5 | 2.4 | 0
11 | 0.8 | 0.9 | 3.7 | −15
12 | 0.84 | 7.0 | 0.2 | −11
13 | 0.54 | 0.7 | 2.3 | −13.5
14 | 0.83 | 1.5 | 2.3 | 0
15 | 0.84 | 7.0 | 2.2 | −0.04
16 | 0.54 | 0.7 | 3.7 | −0.04
TR101, 102, 201, 501 502, 503, 504, 505 506, 504, 401, 402 403, 404, 801, 803 804, 805, 808, 809
TR806, 807
T202
T101, 201 203, 205 L204
T204
L203
L205
L201
STK040 POWER AMPLIFIER
IC 701 (SIDE VIEW)
IC201, 301 (TOP VIEW)
(BOTTOM VIEW)
SF-1 ~ SF-6
SPKR(DIN) Lch 4ohms
SPKR(DIN) Rch 4ohms
Head-Phone Jack
(TOP VIEW)
R
C

* This diagram might be modified without notice for further development of technology.

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR SAFETY. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

ALIGNMENT INSTRUCTIONS (RADIO)–2

Notes:
1. Volume Control ..... Maximum (AM-IF and RF, FM-RF); Minimum (FM-IF)
2. Treble Control ..... Center
3. Bass Control..... Center
4. Balance Control..... Center
5. Function Selector ..... LW, MW, FM AUTO
6. Power Switch ..... ON
7. Output of signal generator should be no higher than necessary to obtain output reading.
8. Make certain that speaker system is connected to the receiver when aligning.

STEP	SIGNAL GENERATOR OR SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUST	REMARKS
	CONNECTION	FREQUENCY				
AM-IF AND RF ALIGNMENT						
1 (AM)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 Hz	Point of non-interference (on/ about 600 kHz)	Output meter across speaker jack (L)	T201 (AM 1st IFT) T202 (AM 2nd IFT) T203 (AM 3rd IFT)	Adjust for maximum output.
2 (LW)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	145 kHz 30% Mod. with 400 Hz	145 kHz (7.7 mm)	Output meter across speaker jack (L)	L202 (LW ANT Coil) L204 (LW OSC Coil)	Adjust for maximum output by sliding coil L202 along ferrite core.
3 (LW)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	350 kHz 30% Mod. with 400 Hz	350 kHz (115.7 mm)	Output meter across speaker jack (L)	CT202 (LW ANT Trimmer) CT204 (LW OSC Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
4 (MW)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	550 kHz 30% Mod. with 400 Hz	550 kHz (12.0 mm)	Output meter across speaker jack (L)	L201 (MW ANT Coil) L203 (MW OSC Coil)	Adjust for maximum output by sliding coil L201 along ferrite core.
5 (MW)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	1500 kHz 30% Mod. with 400 Hz	1500 kHz (109.3 mm)	Output meter across speaker jack (L)	CT203 (MW OSC Trimmer) CT201 (MW ANT Trimmer)	Adjust for maximum output. Repeat steps (4) and (5).
Note: Cement antenna coil with wax after completing alignment. T201 is pre-aligned. Do not touch it.						
FM-IF AND DETECTOR ALIGNMENT						
1	High side through 0.001μF to point TP1 and E1.	10.7 MHz (400 kHz SWP.)	Point of non-interference (on/ about 98 MHz)	Connect vert. amp. input of scope to point TP3 and E5.	T101 (FM 1st IFT) T204 (FM Disc. IFT)	Adjust for maximum amplitude and symmetrical curve.
2	High side through 0.001μF to point TP1 and E1.	10.7 MHz (400 kHz SWP.)	Point of non-interference (on/ about 98 MHz)	Connect vert. amp. input of scope to point TP3 and E5.	T204 (FM Disc. IFT)	Adjust for maximum amplitude and proper linearity between about ±100 kHz markers.
Note: Before aligning step 1, turn the cores of T204 fully counterclockwise.						
FM-RF ALIGNMENT						
1	Connect to EXT. FM antenna terminal through Dummy antenna. Common to earth.	90 MHz 30% Mod. with 400 Hz	90 MHz (14.9 mm)	Output meter across speaker jack (L)	L101 (FM ANT Coil) L103 (FM OSC Coil)	Adjust for maximum output.
2	Connect to EXT. FM antenna terminal through Dummy antenna. Common to earth.	106 MHz 30% Mod. with 400 Hz	106 MHz (103.9 mm)	Output meter across speaker jack (L).	CT101 (FM ANT Trimmer) CT102 (FM OSC Trimmer)	Adjust for maximum output. Repeat steps (1) and (2).

Note: 1. As three output readings will be present, adjustments must be made at center frequency.
2. To correct drift at the FM dial scale (87.5 or 108 MHz), adjust coil L103 and trimmer CT102 with each other.

ALIGNMENT INSTRUCTIONS (RADIO)–3

■ FM Stereo Alignment

Notes: Tuner:
Volume Control ..... Audible level of speaker sound
Treble Control ..... MIN
Bass Control..... Center
Band Selector ..... FM AUTO
Balance Control..... Center

EQUIPMENT CONNECTION	ADJUST	REMARKS
Control frequency counter to TP4 and E5 at 98 MHz, 30% modulation 60 dB input.	VR302 (VCO)	Adjust VR302 for 19 kHz ± 100 Hz on frequency counter reading.

SEPARATION ALIGNMENT

Notes:
1. Stereo Modulator: Connect Stereo Modulator to EXT. Mod. terminal of signal generator.
2. Signal Generator: Modulation Rate of 19 kHz Pilot Signal 10%
   Modulation Rate of Right and Left Signal 27%
   Output Level..... 60 dB
3. Tuner (Balance Control): Adjust balance control so that output level from both channels becomes equal.

EQUIPMENT CONNECTION			ADJUST	REMARKS
SIGNAL GENERATOR	VTVM	OSCILLOSCOPE		
Connect to EXT. FM antenna terminal through dummy antenna.	Connect across speaker jack. (Imp. 8Ω)	Connect vertical amp. input of scope to terminals of VTVM.	VR301 (Separation Control)	Adjust VR301 for minimum indication of VTVM from the left side output when the right side of stereo modulator is modulated. Adjust VR301 in the same way for the right side. Adjust for best balance between "L to R" and "R to L" separation.

Note: When aligning separation, disconnect frequency counter.

ALIGNMENT INSTRUCTIONS (CASSETTE DECK)

Notes:
1. Function selector..... TAPE/MIC
2. Balance Control..... Center
3. Depress push buttons PLAY and REC at the same time. (Be sure to release the record safety lever manually.)
4. Tape Monitor..... SOURCE

STEP	CIRCUITS	VTVM CONNECTION	VOLUME CONTROL	ADJUSTMENT	REMARKS
1	AC BIAS OSCILLATOR and ERASE	Connect positive side to Pin 17 (+) and negative side to Pin 16 (−).	MIN	VR801 (Voltage Control)	Adjust L803 for maximum output. Adjust VR801 for 8.5±0.2V reading on VTVM-1.
2	AC BIAS OSCILLATOR and ERASE	Connect positive side to Pin 5 and negative side to Pin 3	MIN	L801 (AC Bias Trap Coil)	Adjust L801 for 4.0 ± 0.2 mV reading on VTVM-1.
3	AC BIAS OSCILLATOR and ERASE	Connect positive side to Pin 1 and negative side to Pin 3	MIN	L802 (AC Bias Trap Coil)	Adjust L802 for 4.0 ± 0.2 mV reading on VTVM-2. Repeat steps (2) and (3).

Notes: 1. Do not touch R/P Head and Erase Head when adjusting.
2. As two points are obtainable when adjusting the L801 and L802, turn cores down clockwise before making adjustments.

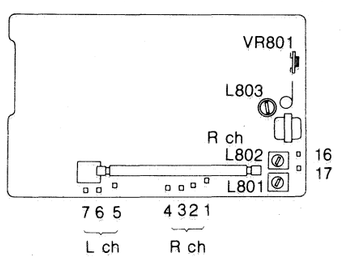


FIG. 9

RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT
Playback a Standard Alignment Tape and turn Azimuth Adjusting Screw for maximum loudness.

* **Test Tape (6.3 kHz):**
  VTT-652 or Equivalent

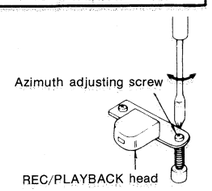
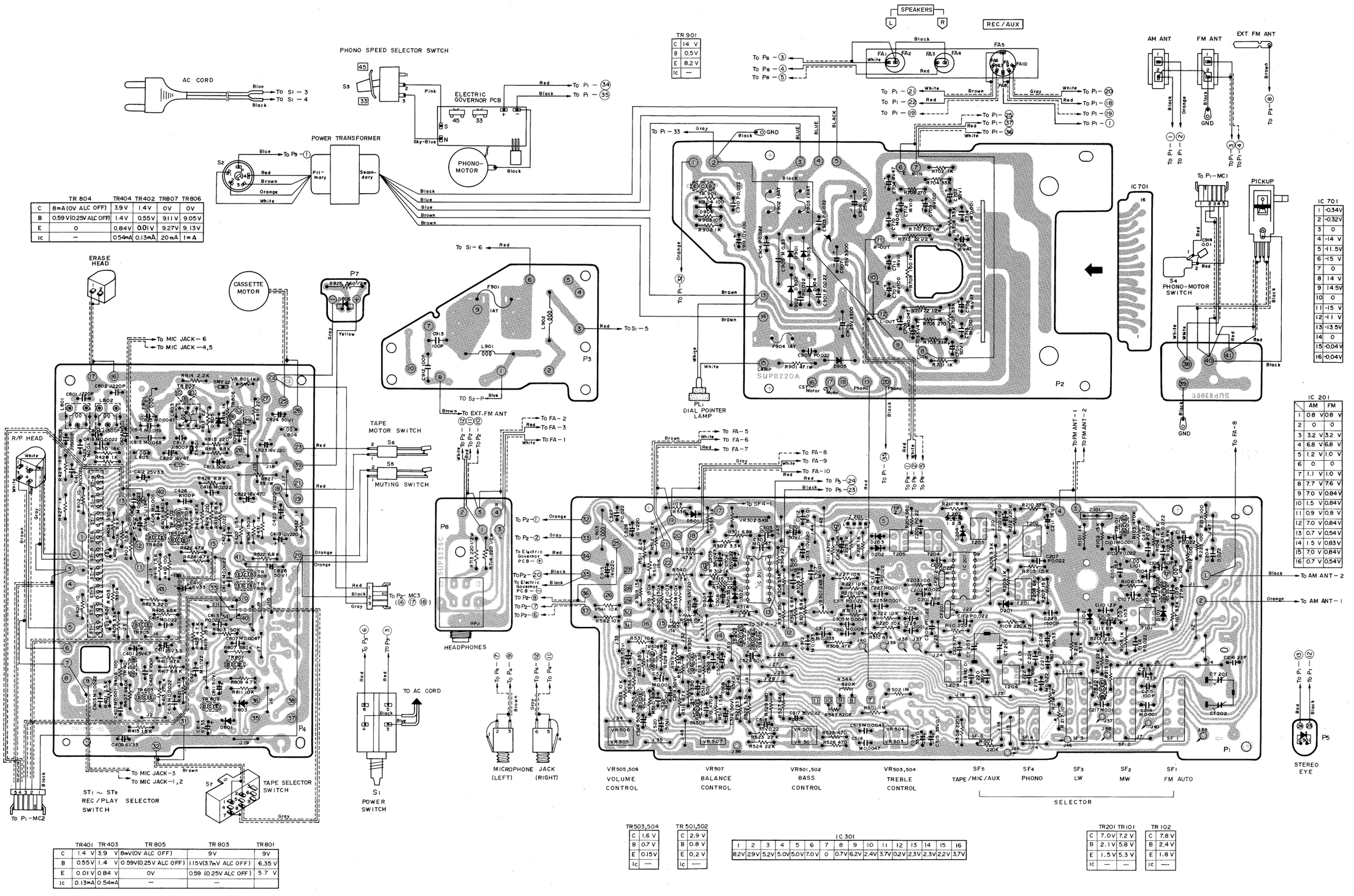


FIG. 10

WIRING DIAGRAM



TR 804		TR404	TR402	TR807	TR806
C	8mA (0V ALC OFF)	3.9V	1.4V	0V	0V
B	0.59V (0.25V ALC OFF)	1.4V	0.55V	9.11V	9.05V
E	0	0.84V	0.01V	9.27V	9.13V
Ic	—	0.54mA	0.13mA	20mA	1mA

TR 901	
C	14 V
B	0.5 V
E	8.2 V
Ic	—

IC 701	
1	-0.34V
2	-0.32V
3	0
4	-14 V
5	-11.5V
6	-15 V
7	0
8	14 V
9	14.5V
10	0
11	-15 V
12	-11 V
13	-13.5V
14	0
15	-0.04V
16	-0.04V

IC 201	AM	FM
1	0.8 V	0.8 V
2	0	0
3	3.2 V	3.2 V
4	6.8 V	6.8 V
5	1.2 V	1.0 V
6	0	0
7	1.1 V	1.0 V
8	7.7 V	7.6 V
9	7.0 V	0.84 V
10	1.5 V	0.84 V
11	0.9 V	0.8 V
12	7.0 V	0.84 V
13	0.7 V	0.54 V
14	1.5 V	0.83 V
15	7.0 V	0.84 V
16	0.7 V	0.54 V

TR401	TR403		TR 805	TR 803	TR801
C	1.4 V	3.9 V	8mV (0V ALC OFF)	9V	9V
B	0.55V	1.4 V	0.59V (0.25V ALC OFF)	1.15V (3.7mV ALC OFF)	6.35 V
E	0.01V	0.84 V	0V	0.59 (0.25V ALC OFF)	5.7 V
Ic	0.13mA	0.54mA	—	—	

TR503,504	
C	1.6 V
B	0.7 V
E	0.15V
Ic	—

TR 501,502	
C	2.9 V
B	0.8 V
E	0.2 V
Ic	—

IC 301														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8.2V	2.9V	5.2V	5.0V	5.0V	7.0V	0	0.7V	6.2V	2.4V	3.7V	0.2V	2.3V	2.3V	2.2V	3.7V

TR201	TR101	TR 102	
C	7.0V	7.2 V	C 7.8 V
B	2.1V	5.8 V	B 2.4 V
E	1.5V	5.3 V	E 1.8 V
Ic	—	—	Ic —

* This diagram might be modified without notice for further development of technology.

MECHANICAL ADJUSTMENT OF CASSETTE DECK

PRESSURE ROLLER ADJUSTMENT

1. Switch set to PLAY. (Do not insert cassette.)
2. Hook Spring gauge to arm pressure rollers, as shown in Fig. 11.
3. Pull pressure roller away from the capstan in the direction of arrow 1 with spring gauge and slowly permit the pressure roller to return forward capstan in the direction of arrow 2.
4. Measure tension at time when pressure roller makes contact with capstan (or when pressure roller starts rotating.)
5. The standard tension of pressure roller should be 250 ~ 380 g.
6. If pressure is not within these limits;
   Clean the rubber roller and capstan with a soft cloth moistened with alcohol or replace pressure spring.

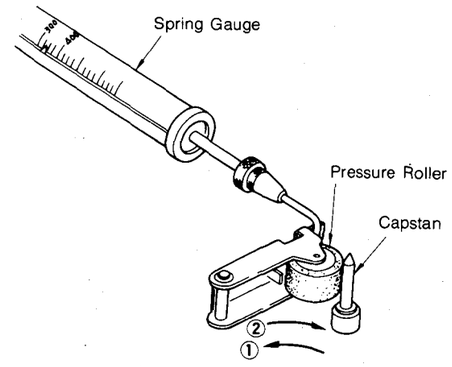


FIG. 11

TAKE-UP TORQUE ADJUSTMENT

* Test Tape: SRK-CT (Take-up Torque Meter)

1. Insert test tape.
2. Rewind the tape to its starting point.
3. Switch set to PLAY.
4. Read "▶" mark of indicator on take-up side, as shown in Fig. 12.
5. Repeat PLAY-STOP several times and read the average tension.
6. The standard take-up tension should be 30 ~ 70 g.cm.
   If take-up tension is not within these limits;
   a) Clean main belt, take-up reel and all parts which contact them with a cotton swab moistened with alcohol, and/or
   b) Switch set to "OFF", remove main belt and make sure that take-up reel and take-up clutch are rotating smoothly.
   c) Change take-up clutch tension by turning the friction spring under reel table, as shown in Fig. 13, and/or
   d) Replace take-up clutch.

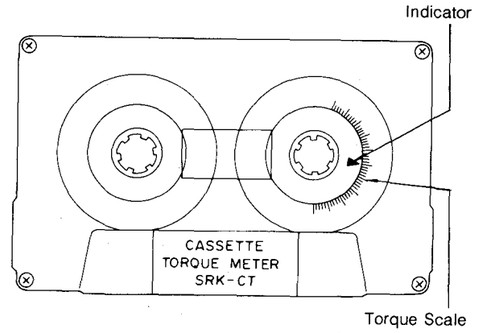


FIG. 12

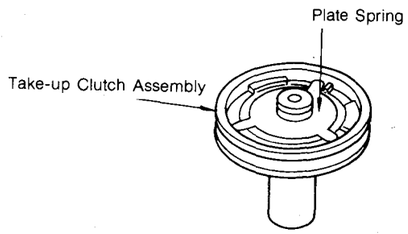


FIG. 13

REPLACEMENT PARTS LIST

NOTES:
1. Part numbers are indicated on most mechanical parts.
2. Please use this part number for parts orders.
3. Part numbers composed by bold face are service standard parts and may differ from production parts.
4. Components identified by shaded area have special characteristics important for safety. When replacing any of these components used only manufacturer's specified parts.
5. A ~ C rank.
   A rank parts will cover 80% of repair needs.
   A + B rank parts will cover 95% of repair needs.
   C rank parts are less necessary.
6. The term "M. Film" is the abbreviation of Metal Film.
7. The ○ mark indicates the new parts of the factory.

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
		TRANSISTORS		
TR101	2SC1675-L	FM RF Amp.	1	A
TR102	2SC1675-L	FM Converter	1	A
TR201	**2SC1359**	AM converter	1	A
TR401,402	**2SC1327**	1st Equalizer Amp.	2	A
TR403,404	**2SC1327**	2nd Equalizer Amp.	2	A
TR501,502	**2SC1327**	1st FM Amp.	2	A
TR503,504	**2SC1327**	2nd AF Amp.	2	A
TR505,506	**2SC828**	Muting	2	A
TR801,803	**2SC828**	ALC	2	A
TR804,805	**2SC828**	ALC	2	A
TR806	**2SB175**	AC Bias OSC	1	A
TR807	**2SB324**	AC Bias Power Amp.	1	A
TR808,809	**2SC828**	Muting Amp.	2	A
TR901	2SC1383	Stabilizer	1	A
		INTEGRATED CIRCUITS		
IC201	**AN217**	AM Converter, AM/FM IF Amp.	1	A
IC301	**LA3350A**	FM MPX	1	A
IC701	STK040	Power Amp.	1	A

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
		DIODES AND THERMISTOR		
D101	AM161	FM AGC	1	A
D102	SC-15	FM AFC	1	A
D201	20A90	AM DET	1	A
D202,203	20A90	FM DET.	2	A
D204	20A90	AM AGC	1	A
D301	SR103D	Stereo Eye	1	A
D302,303	MA161	Switching	2	A
D501	MA161	Muting	1	A
D801	VD1121	Rectifier	1	A
D803	**20A90**	Rectifier	1	A
D805	VD1121	AOC	1	A
D806	SR103D	REC Indicator	1	A
D901~905	**10D1**	Rectifier	1	A
D906	MA1091	AOC	1	A
TH401	RRT103	Thermistor, Temperature Compensation	1	A
		COILS AND TRANSFORMERS		
L101	RL04N47	Oscillator Coil, FM	1	A
L102	SLQY11G-2	Coil, Trap	1	A
L103	SLD4N30	Detector Coil, FM	1	A
L201	SLF6F2-0	Ferrite Coil, AM	1	A
L202	SLO2M2-0	Oscillator Coil, AM	1	A
L401,402	RLQY25S-5	Coil Choke	2	A
L801,802	RLQC542-K	Coil, Trap (Bias)	2	A
L803	SL09Z10-K	Bias Oscillator Coil	1	A
L804,805	ELQ250A999	Coil, Peaking	2	A
L901,902	SLQY35S-4X	Coil, Trap (Noise)	2	A
L903	ELQ250A999	Coil, Peaking	1	A
T101	RL14M101	IFT, FM 1st	1	A
T201	RL14M102	IFT, AM 1st	1	A
T202	RLI7W105R-T	IFT, AM 2nd	1	A
T203	RLI2M402	IFT, AM 3rd	1	A
T204	RLI4M501-M	IFT, FM Discriminator	1	A
T205	RLI4M502-M	IFT, FM Discriminator	1	A
CF201,202	RVFCF10M12CR	Ceramic Filter, 10.7MHz	2	A

REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
T1	SLT5M62-W	Power Transformer	1	A
T801	SLT6E2-D	Coil, Choke	1	A
		COMPONENT COMBINATIONS		
Z101	BPF10801H	8.5pF × 2,82pF	1	A
Z201	EXA5DM04C	330pF × 3, 4.7kΩ × 2	1	A
Z202	EXAF203Z471	0.01μF × 2, 470Ω	1	A
		RESISTORS		
R101	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R102	**ERD25TJ153**	Carbon 15kΩ 1/4W ±5%	1	
R103	**ERD25TJ474**	Carbon 470kΩ 1/4W ±5%	1	
R104	**ERD25TJ222**	Carbon 2.2kΩ 1/4W ±5%	1	
R105	**ERD25TJ682**	Carbon 6.8kΩ 1/4W ±5%	1	
R106	**ERD25TJ153**	Carbon 15kΩ 1/4W ±5%	1	
R107	**ERD25TJ333**	Carbon 33kΩ 1/4W ±5%	1	
R108	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R109,110	**ERD25TJ224**	Carbon 220kΩ 1/4W ±5%	2	
R111	**ERD25TJ474**	Carbon 470kΩ 1/4W ±5%	1	
R112	**ERD25TJ101**	Carbon 100Ω 1/4W ±5%	1	
R201	**ERD25TJ221**	Carbon 220Ω 1/4W ±5%	1	
R203	**ERD25TJ101**	Carbon 100Ω 1/4W ±5%	1	
R204	**ERD25TJ681**	Carbon 680Ω 1/4W ±5%	1	
R205	**ERD25TJ152**	Carbon 1.5kΩ 1/4W ±5%	1	
R206	**ERD25TJ332**	Carbon 3.3kΩ 1/4W ±5%	1	
R207	**ERD25TJ153**	Carbon 15kΩ 1/4W ±5%	1	
R208	**ERD25TJ681**	Carbon 680Ω 1/4W ±5%	1	
R209	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R210	**ERD25TJ333**	Carbon 33kΩ 1/4W ±5%	1	
R211	**ERD25TJ682**	Carbon 6.8kΩ 1/4W ±5%	1	
R212	**ERD25TJ224**	Carbon 220kΩ 1/4W ±5%	1	
R213	**ERD25TJ101**	Carbon 100Ω 1/4W ±5%	1	
R214	**ERD25TJ223**	Carbon 22kΩ 1/4W ±5%	1	
R215	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	1	
R216	**ERD25TJ332**	Carbon 3.3kΩ 1/4W ±5%	1	
R217	**ERD25TJ100**	Carbon 10Ω 1/4W ±5%	1	

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
R218	**ERD25TJ470**	Carbon 47Ω 1/4W ±5%	1	
R219,220	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	2	
R221,222	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	2	
R223	**ERD25TJ101**	Carbon 100Ω 1/4W ±5%	1	
R225,226	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	2	
R227	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	1	
R301	**ERD25TJ682**	Carbon 6.8kΩ 1/4W ±5%	1	
R302	**ERD25TJ332**	Carbon 3.3kΩ 1/4W ±5%	1	
R303	**ERD25TJ104**	Carbon 100kΩ 1/4W ±5%	1	
R304	**ERD25TJ221**	Carbon 220Ω 1/4W ±5%	1	
R305,306	**ERD25TJ332**	Carbon 3.3kΩ 1/4W ±5%	2	
R307,308	**ERD25TJ682**	Carbon 6.8kΩ 1/4W ±5%	2	
R309,310	**ERD25TJ473**	Carbon 47kΩ 1/4W ±5%	2	
R311	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R312	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R313	**ERD25TJ391**	Carbon 390Ω 1/4W ±5%	1	
R314	**ERD25TJ222**	Carbon 2.2kΩ 1/4W ±5%	1	
R315	**ERD25TJ393**	Carbon 39kΩ 1/4W ±5%	1	
R401,402	**ERD25TJ152**	Carbon 1.5kΩ 1/4W ±5%	2	
R403,404	**ERD25TJ334**	Carbon 330kΩ 1/4W ±5%	2	
R405,406	**ERD25TJ332**	Carbon 3.3kΩ 1/4W ±5%	2	
R407,408	**ERD25TJ684**	Carbon 680kΩ 1/4W ±5%	2	
R409,410	**ERD25TJ101**	Carbon 100Ω 1/4W ±5%	2	
R411,412	**ERD25TJ473**	Carbon 47kΩ 1/4W ±5%	2	
R413,414	**ERD25TJ274**	Carbon 270kΩ 1/4W ±5%	2	
R415,416	**ERD25TJ152**	Carbon 1.5kΩ 1/4W ±5%	2	
R417,418	**ERD25TJ682**	Carbon 6.8kΩ 1/4W ±5%	2	
R419,420	**ERD25TJ153**	Carbon 15kΩ 1/4W ±5%	2	
R421,422	**ERD25TJ473**	Carbon 47kΩ 1/4W ±5%	2	
R423,424	**ERD25TJ472**	Carbon 4.7kΩ 1/4W ±5%	2	
R425,426	**ERD25TJ683**	Carbon 68kΩ 1/4W ±5%	2	
R427,428	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	2	
R429,430	**ERD25TJ183**	Carbon 18kΩ 1/4W ±5%	2	
R431,432	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	2	
R501,502	**ERD25TJ105**	Carbon 1MΩ 1/4W ±5%	2	
R507,508	**ERD25TJ224**	Carbon 220kΩ 1/4W ±5%	2	
R509,510	**ERD25TJ153**	Carbon 15kΩ 1/4W ±5%	2	
R511,512	**ERD25TJ222**	Carbon 2.2kΩ 1/4W ±5%	2	
R513,514	**ERD25TJ155**	Carbon 1.5MΩ 1/4W ±5%	2	
R515,516	**ERD25TJ472**	Carbon 4.7kΩ 1/4W ±5%	2	
R517,518	**ERD25TJ331**	Carbon 330Ω 1/4W ±5%	2	

SG-1030L

REPLACEMENT PARTS LIST

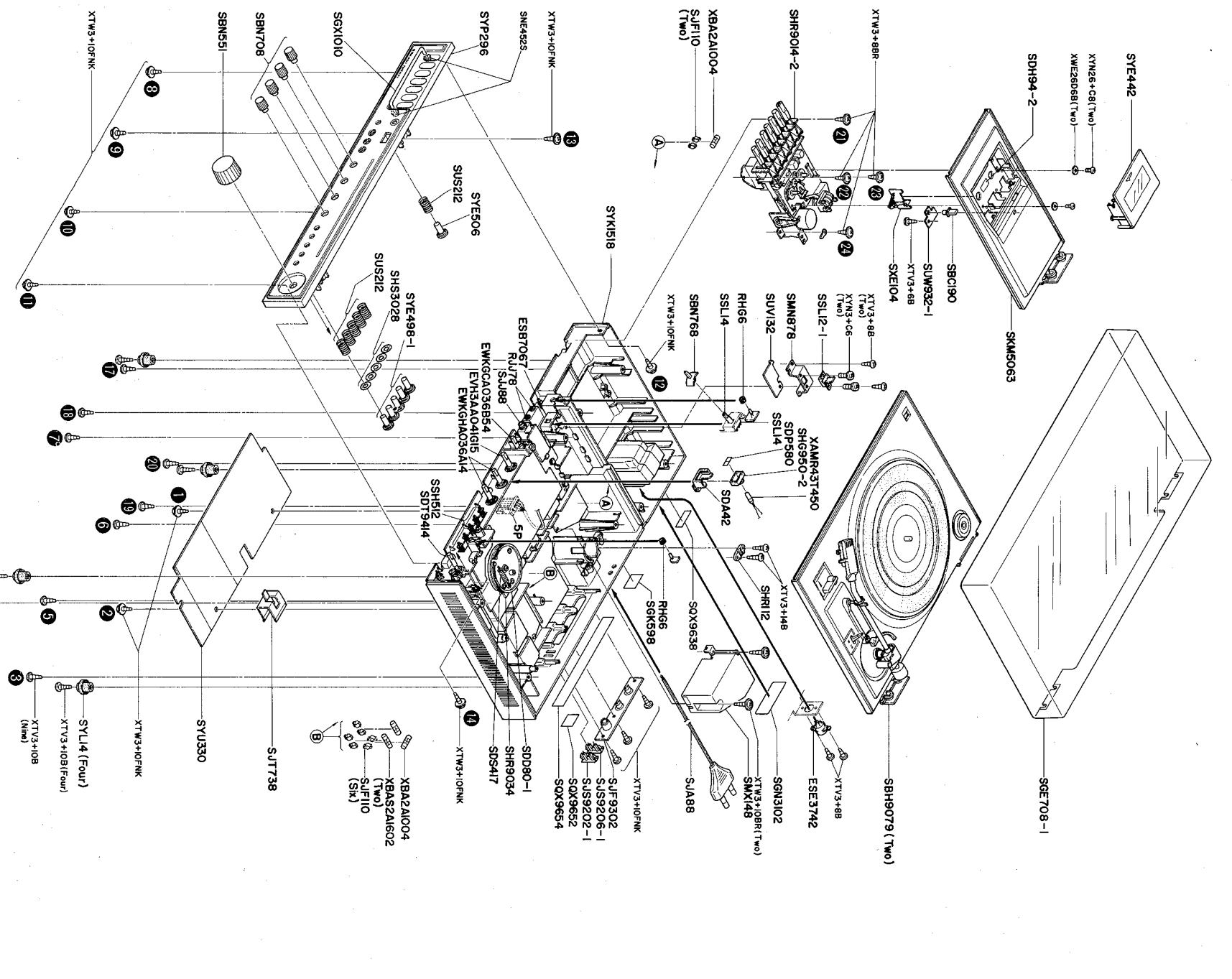
Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
R519,520	**ERD25TJ154**	Carbon 150kΩ 1/4W ±5%	2	
R521,522	**ERD25TJ332**	Carbon 3.3kΩ 1/4W ±5%	2	
R523,524	**ERD25TJ223**	Carbon 22kΩ 1/4W ±5%	2	
R525,526	**ERD25TJ471**	Carbon 470Ω 1/4W ±5%	2	
R527,528	**ERD25TJ681**	Carbon 680Ω 1/4W ±5%	2	
R529,530	**ERD25TJ684**	Carbon 680kΩ 1/4W ±5%	2	
R531,532	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	2	
R533,534	**ERD25TJ331**	Carbon 330Ω 1/4W ±5%	2	
R535	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R536	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	1	
R537,538	**ERD25TJ104**	Carbon 100kΩ 1/4W ±5%	2	
R539,540	**ERD25TJ473**	Carbon 47kΩ 1/4W ±5%	2	
R541,542	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	2	
R543,544	**ERD25TJ824**	Carbon 820kΩ 1/4W ±5%	2	
R545,546	**ERD25TJ153**	Carbon 15kΩ 1/4W ±5%	2	
R701,702	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	2	
R703,704	**ERD25TJ333**	Carbon 33kΩ 1/4W ±5%	2	
R705,706	**ERD25TJ271**	Carbon 270Ω 1/4W ±5%	2	
R707,708	**ERD25TJ333**	Carbon 33kΩ 1/4W ±5%	2	
R709,710	**ERG1ANJ101**	M. Film 100Ω 1W ±5%	2	
R711,712	**ERD12FJ220**	Carbon 22Ω 1/2W ±5%	2	
R713,714	**ERD12FJ221**	Carbon 220Ω 1/2W ±5%	2	
R801,802	**ERD25TJ100**	Carbon 10Ω 1/4W ±5%	2	
R803,804	**ERD25TJ154**	Carbon 150kΩ 1/4W ±5%	2	
R807	**ERD25TJ684**	Carbon 680kΩ 1/4W ±5%	1	
R809	**ERD25TJ472**	Carbon 4.7kΩ 1/4W ±5%	1	
R811	**ERD25TJ103**	Carbon 10kΩ 1/4W ±5%	1	
R813	**ERD25TJ220**	Carbon 22Ω 1/4W ±5%	1	
R814	**ERD25TJ222**	Carbon 2.2kΩ 1/4W ±5%	1	
R815	**ERD25TJ221**	Carbon 220Ω 1/4W ±5%	1	
R816	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R818	**ERD25TJ683**	Carbon 68kΩ 1/4W ±5%	1	
R819	**ERD25TJ221**	Carbon 220Ω 1/4W ±5%	1	
R821	**ERG1ANJ330**	M. Film 33Ω 1W ±5%	1	
R822	**ERD25TJ682**	Carbon 6.8kΩ 1/4W ±5%	1	
R823,824	**ERD25TJ221**	Carbon 220Ω 1/4W ±5%	2	
R825	**ERD12FJ561**	Carbon 560Ω 1/2W ±5%	1	
R901	**ERG1ANJ470**	M. Film 47Ω 1W ±5%	1	
R902	**ERD25TJ102**	Carbon 1kΩ 1/4W ±5%	1	
R903,904	**ERD25TJ101**	Carbon 100Ω 1/4W ±5%	2	

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
		CAPACITORS		
C101	**ECKD1H102MD**	Ceramic 0.001μF 50WV ±20%	1	
C102	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C103	**ECCD1H150K**	Ceramic 15pF 50WV ±10%	1	
C104	**ECCD1H050C**	Ceramic 5Pf 50WV ±0.25pF	1	
C105	**ECCD1H270K**	Ceramic 27pF 50WV ±10%	1	
C106	**ECCD1H181K**	Ceramic 180pF 50WV ±10%	1	
C107	**ECKD1H103MD**	Ceramic 0.01μF 50WV ±20%	1	
C108	**ECCD1H050C**	Ceramic 5pF 50WV ±0.25pF	1	
C109	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C110	**ECCD1H120K**	Ceramic 12pF 50WV ±10%	1	
C111	**ECCD1H080C**	Ceramic 8pF 50WV ±0.25pF	1	
C112,113	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	2	
C114	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C115	**ECKD1H223MD**	Ceramic 0.022μF 50WV ±20%	1	
C116	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C117	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C201	**ECCD1H390K**	Ceramic 39pF 50WV ±10%	1	
C202	**ECKD1H223MD**	Ceramic 0.022μF 50WV ±20%	1	
C203	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C204	**ECKD1H223MD**	Ceramic 0.022μF 50WV ±20%	1	
C205	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C206	**ECEA50V4R7**	Electrolytic 4.7μF 25WV	1	
C207	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C208	**ECEA16V33**	Electrolytic 33μF 16WV	1	
C209	**ECKD1H223PF**	Ceramic 0.022μF 50WV +100,−0%	1	
C210,211	**ECEA16V10**	Electrolytic 10μF 16WV	2	
C212	**ECKD1H103MD**	Ceramic 0.01μF 50WV ±20%	1	
C213	**ECCD1H330K**	Ceramic 33pF 50WV ±10%	1	
C214	**ECKD1H102MD**	Ceramic 0.001μF 50WV ±20%	1	
C215	**ECCD1H101K**	Ceramic 100pF 50WV ±10%	1	
C216	**ECCD1H220K**	Ceramic 22pF 50WV ±10%	1	
C217,218	**ECKD1H103MD**	Ceramic 0.01μF 50WV ±20%	2	
C219	**ECKD1H223MD**	Ceramic 0.022μF 50WV ±20%	1	
C220	**ECQS1362JZ**	Styrol 360pF 100WV ±5%	1	
C221	**ECQS1181JZ**	Styrol 180pF 100WV ±5%	1	
C222	**ECCD1H680K**	Ceramic 68pF 50WV ±10%	1	
C223	**ECCD1H070C**	Ceramic 7pF 50WV ±0.25pF	1	
C224	**ECCD1H150K**	Ceramic 15pF 50WV ±10%	1	
C225,226	**ECKD1H102MD**	Ceramic 0.001μF 50WV ±20%	2	

REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description				Per Set (pcs.)	Remarks
C227,228	**ECKD1H102MD**	Ceramic	0.001μF	50WV	±20%	2	
C229	**ECQS1152JZ**	Styrol	0.0015pF	100WV	±5%	1	
C301	**ECEA50V1**	Electrolytic	1μF	50WV		1	
C302	**ECQM1H473MZ**	Polyester	0.047μF	50WV	±20%	1	
C303	**ECQS1152JZ**	Styrol	0.0015μF	100WV	±5%	1	
C304	**ECSZ35EFR22**	Styrol	0.22μF	35WV		1	
C305	**ECSZ35EFR47**	Styrol	0.47μF	35WV		1	
C306	**ECSZ35EFR33**	Tantalum	0.33μF	35WV		1	
C307,308	**ECKD1H103MD**	Ceramic	0.01μF	50WV	±20%	2	
C309,310	**ECKD1H472MD**	Ceramic	0.0047μF	50WV	±20%	2	
C311,312	**ECQM1H333MZ**	Styrol	0.033μF	50WV	±20%	2	
C313	**ECEA16V220**	Electrolytic	220μF	16WV		1	
C315	**ECKD1H223PF**	Ceramic	0.022μF	50WV	+100,−0%	1	
C401,402	**ECEA50M4R7**	Electrolytic	4.7μF	50WV		2	
C405,406	**ECKD1H222MD**	Ceramic	0.0022μF	50WV	±20%	2	
C407,408	**ECKD1H102MD**	Ceramic	0.001μF	50WV	±20%	2	
C409,410	**ECEA16V33**	Electrolytic	33μF	16WV		2	
C411,412	**ECEA50V3R3**	Electrolytic	3.3μF	50WV		2	
C413,414	**ECKD1H222MD**	Ceramic	0.0022μF	50WV	±20%	2	
C415,416	**ECKD1H223MD**	Ceramic	0.022μF	50WV	±20%	2	
C417,418	**ECKD1H222MD**	Ceramic	0.0022μF	50WV	±20%	2	
C419	**ECEA16V220**	Electrolytic	220μF	16WV		1	
C420	**ECEA16V220**	Electrolytic	220μF	16WV		1	
C421,422	**ECKD1H223MD**	Ceramic	0.022μF	50WV	±20%	2	
C423,424	**ECKD1H103MD**	Ceramic	0.01μF	50WV	±20%	2	
C425,426	**ECCD1H101K**	Ceramic	100pF	50WV	±10%	2	
C507,508	**ECSZ35EFR1**	Tantalum	0.1μF	35WV		2	
C509,510	**ECCD1H471K**	Ceramic	470pF	50WV	±10%	2	
C511,512	**ECEA50V1**	Electrolytic	1μF	50WV		2	
C513,514	**ECKD1H472MD**	Ceramic	0.0047μF	50WV	±20%	2	
C515,516	**ECSZ35EFR1**	Tantalum	0.1μF	35WV		2	
C517,518	**ECSZ35EFR22**	Tantalum	0.22μF	35WV		2	
C519,520	**ECEA50V1**	Electrolytic	1μF	50WV		2	
C521,522	**ECKD1H102MD**	Ceramic	0.001μF	50WV	±20%	2	
C523,524	**ECEA50V1**	Electrolytic	1μF	50WV		2	
C525	**ECEA16V220**	Electrolytic	220μF	16WV		1	
C526	**ECEA50V1**	Electrolytic	1μF	50WV		1	
C527	**ECKD1H223PF**	Ceramic	0.022μF	50WV	+100,−0%	1	
C528	**ECEA16V220**	Electrolytic	220μF	16WV		1	
C701,702	**ECEA50V1**	Electrolytic	1μF	50WV		2	
C703,704	**ECEA16V47**	Electrolytic	47μF	16WV		2	
C705,706	**ECEA16V47**	Electrolytic	47μF	16WV		2	
C707,708	**ECEA16V100**	Electrolytic	100μF	16WV		2	
C709,710	**ECQM1H473MZ**	Polyester	0.047μF	50WV	±20%	2	
C711,712	**ECEA16V10**	Electrolytic	10μF	16WV		2	
C713,714	**ECKD1H102MD**	Ceramic	0.001μF	50WV	±20%	2	
C801,802	**ECQS1121JZ**	Styrol	220pF	100WV	±5%	2	
C803,804	**ECQS1152JZ**	Styrol	1500pF	100WV	±5%	2	
C807	**ECKD1H472MD**	Ceramic	0.0047μF	50WV	±20%	1	
C811	**ECEA50V1**	Electrolytic	1μF	50WV		1	
C813	**ECKD1H223PF**	Ceramic	0.022μF	500WV	+100,−0%	1	
C814	**ECEA16V33**	Electrolytic	33μF	16WV		1	
C815	**ECQM1H683MZ**	Polyester	0.068μF	50WV	±20%	1	
C816	**ECQM1H393MZ**	Polyester	0.039μF	50WV	±20%	1	
C817	**ECQS1182JZ**	Styrol	1800pF	100WV	±5%	1	
C818,819	**ECEA50MR1**	Electrolytic	0.1μF	50WV		2	
C820	**ECEA16V47**	Electrolytic	47μF	16WV		1	
C822	**ECEA16V470**	Electrolytic	470μF	16WV		1	
C823	**ECEA16V220**	Electrolytic	220μF	16WV		1	
C824	**ECEA50V1**	Electrolytic	1μF	50WV		1	
C825	**ECQM1H472MZ**	Polyester	0.0472μF	50WV	±20%	1	
C826	**ECEB50V1**	Electrolytic	1μF	50WV		1	
C901,902	**ECKD1H223PF**	Ceramic	0.022μF	50WV	+100,−0%	2	
C903,904	**ECKD1H223PF**	Ceramic	0.022μF	50WV	+100,−0%	2	
C905	**ECQM1H334MZ**	Polyester	0.33μF		±20%	1	
C906,907	**ECET25R332SU**	Electrolytic	222μF	25WV		2	
C908	**ECKD1H223PF**	Ceramic	0.022μF	50WV	+100,−0%	1	
C909	**ECET25R332SU**	Electrolytic	0.0033μF	25WV		1	
C910	**ECKD1H223PF**	Ceramic	0.022μF	50WV	+100,−0%	1	
C911	**ECEA10V100**	Electrolytic	100μF	10WV		1	
C912,913	**ECKDHS101MB**	Ceramic	100pF	400WV	±20%	2	
C915	**ECEA16V220**	Electrolytic	220μF	16WV		1	
VARIABLE CAPACITORS							
CV101,102 201,202	PVC22K20T1L	Tuning Capacitor w/Trimmer CT101, 102				1	A
CT201～204	SCVCTY211D31	Trimmer				2	A

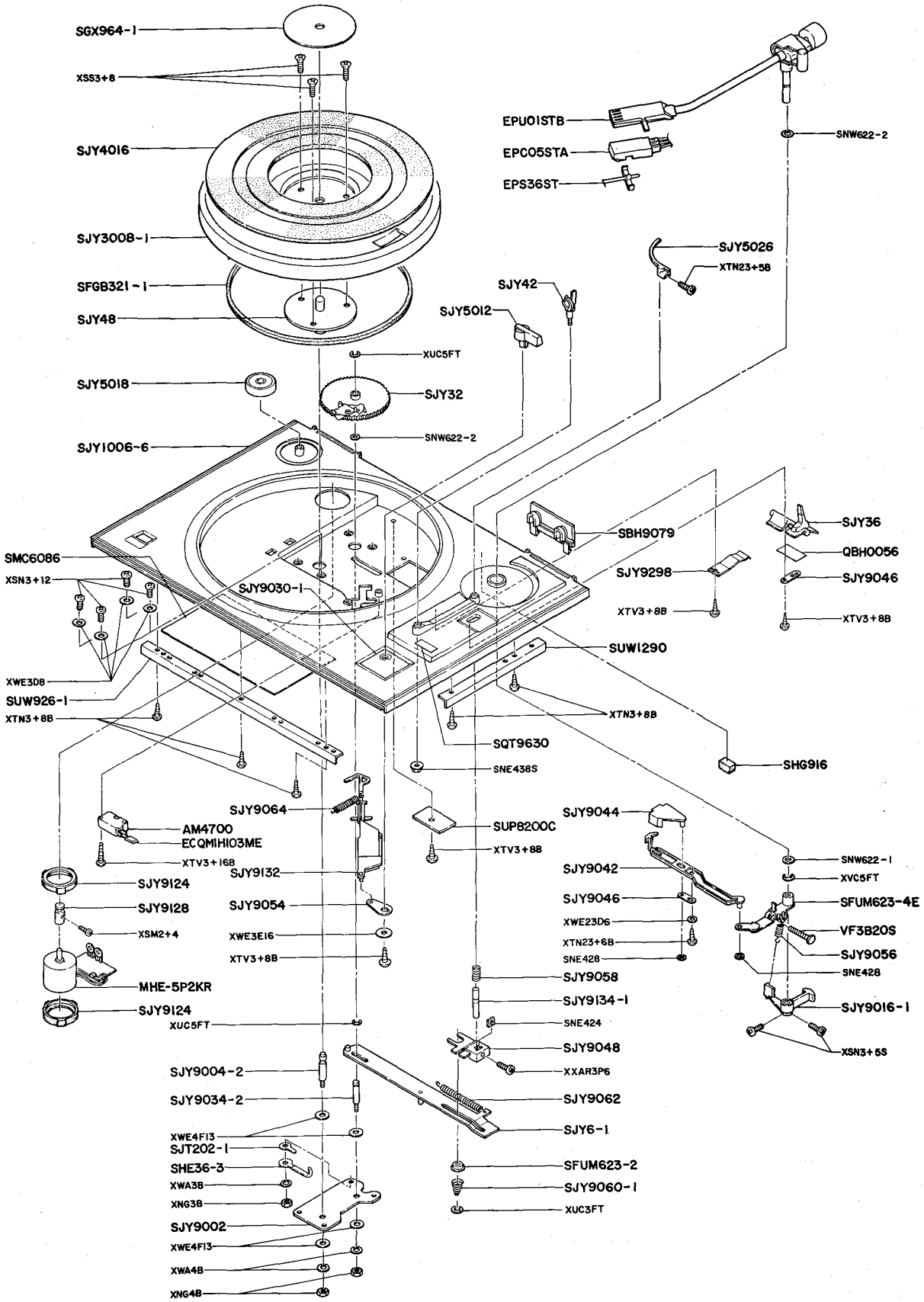
LOCATION OF PARTS



REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
		CABINET AND CHASSIS		
1	SYK1518	Bottom Cover Assembly	1	○A
	Not Supply	Bottom Cover	(1)	
		Plate, Power Cord	(1)	
		Shield Paper A	(1)	
		Shield Paper B	(1)	
1-1	(SYL14)	Foot	(4)	B
1-2	(SWX9652)	Label A, Terminal	(1)	C
1-3	(SQX9654)	Label B, Terminal	(1)	C
1-4	(SQX9638)	Label, Voltage Selector	(1)	C
2	SYU330	Bottom Board Assembly	1	○A
	Not Supply	Bottom Board	(1)	
		Shield Paper C	(1)	
3	SGE708-1	Dust Cover	1	○A
4	SBH9079	Hinge	2	B
5	SYP296	Escutcheon Assembly	1	○A
	Not Supply	Escutcheon	(1)	
		Transparent Cover	(1)	
5-1	(SGX1010)	Ornament, Front	(1)	B
6	SDA42	Bracket, Dial	1	C
7	SDP580	Pointer, Dial	1	C
8	SHG950-2	Rubber, Dial	1	C
9	SYE506	Button, Power	1	C
10	SYE498-1	Button, Selector	5	A
11	SHS3028	Button, Felt	5	A
12	SBN551	Knob, Tuning	1	A
13	SNB708	Knob, Volume	4	A
14	SBN768	Knob, Tape Selector	1	A
15	SGN3104	Name Plate	1	○C
16	SDD80-1	Drum, Dial	1	B
17	SDS417	Spring, Dial	1	B
18	SDT9414	Tuning Shaft	1	B
19	SHR9034	Dial Stopper	1	B
20	RHG6	Rubber, Lamp	2	B
21	SUS212	Spring, Button	6	B
22	SHR112	Lead Clamp	1	C
23	SJT738	Lug, Ground	1	C
24	SJF110	Holdr, Fuse	8	C
25	SMA28	ANT, Clamp	1	C
26	SJJ88	Jack, Headphone	1	B
27	RJJ78	Jack, Microphone	2	B
28	SJA88	AC Power Cord	1	B
29	SYE542	Cassette Cover Assembly	1	○C
29-1	(SKM5063)	Cassette Cover	(1)	C
29-2	(SBC190)	Button, Reset	(1)	C
29-3	(SUW932-1)	Holder, Reset Button	(1)	C
29-4	(SDH94-2)	Reflector Plate	(1)	C
29-5	(SXE104)	Hook Assembly	(1)	C
30	SYE442	Cassette Lid Assembly	1	C
	Not Supply	Cassette Lid	(1)	
		Ornament Cassette Lid	(1)	
31	SHR9014-2	Blind	1	C
32	SJS9202-1	Terminal Board FM (DIN)	1	C
33	SJS9206-1	Terminal Board AM (DIN)	1	C
34	SJF9302	Terminal Board SP (DIN)	1	○C
35	SUV132	Switch Cover	1	C
36	SUV122	Headphone Jack Cover	1	C
		LAMP AND FUSE		
PL1	XAMR43T450	Pilot Lamp, Dial (9V, 60mA)	1	A
F901,904	XBAS2A1004	Fuse, 1.6AT 250V	2	A
F902,903	XBAS2A1602	Fuse, 1AT 250V	2	A
		VARIABLE RESISTORS		
VR301	EVLS3AA00B23	Preset 2kΩ	1	A
VR302	EVTS3MA00B53	Preset 5kΩ	1	A
VR501～504	EWKGHA036A14	Bass, Treble Control, 10kA × 2	2	A
VR505,506	EWKGCA036B54	Volume Control 50kB × 2	1	A
VR507	EVH3AA041G15	Balance Control, 100kG × 1	1	A
VR801	EVLT4AA00B13	Preset, 1kΩ	1	A
		SWITCHES		
S1	ESB7067	Power	1	A
S2	ESE3742	Voltage Selector	1	A
S3	SSL12-1	Speed Selector	1	A
S4	SSL14	Tape Selector	1	A
ST1～9	SSH36	REC/PLAY	1	A
SF1～5	SSH512	Function	1	A

EXPLODED VIEW OF RECORD PLAYER



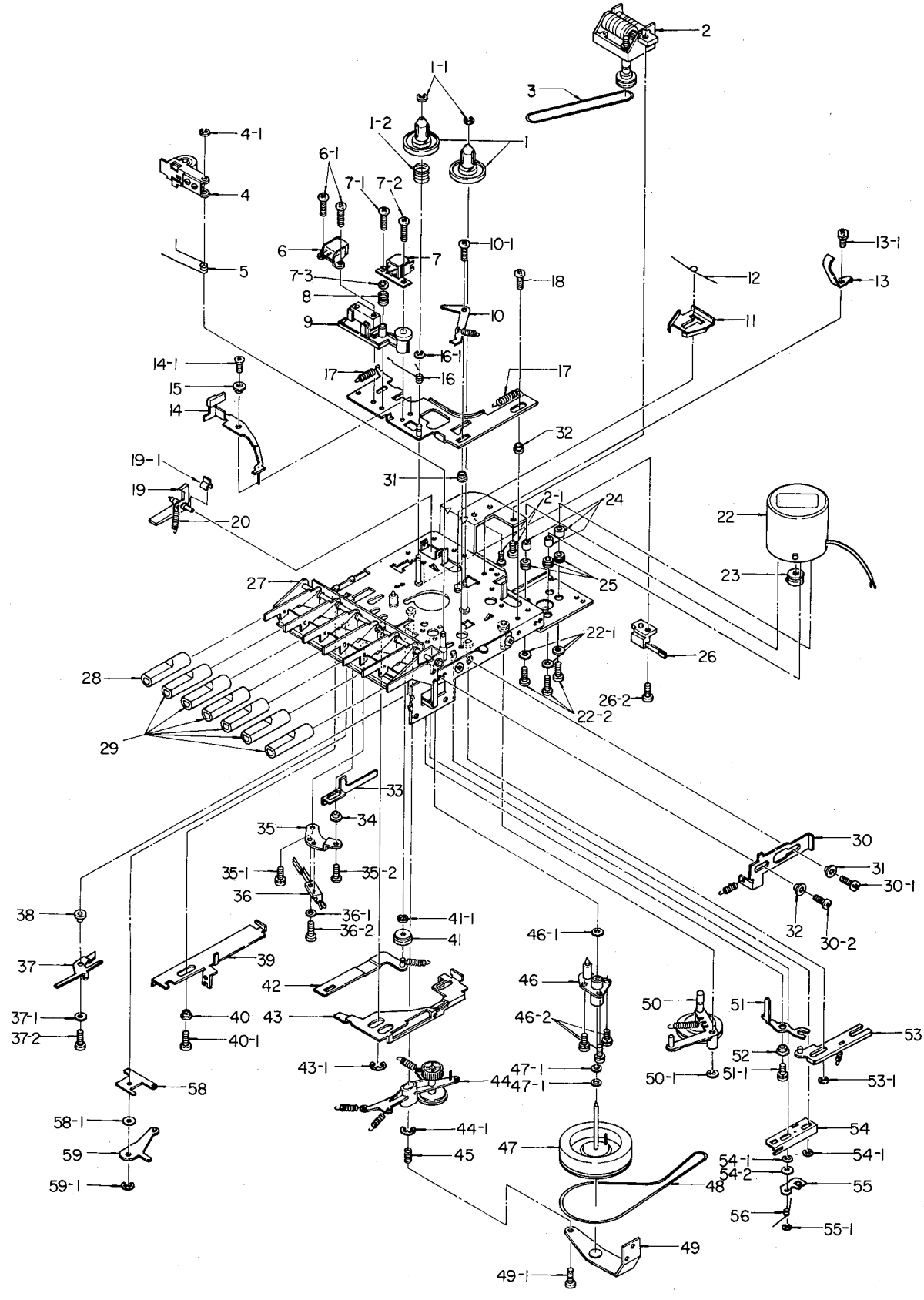
REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
		PACKING		
PA1	SPN2814	Carbon, Inside	1	○C
PA2	SPN2900	Pad, Front	1	○C
PA3	SPN2902	Pad, Rear	1	○C
		OTHERS		
A1	SQX5854	Instruction Book	1	○C
A2	WN2201N	Microphone (For OVE)	2	C
A3	SJM2	Microphone Stand (For OVE)	2	C

[17] RECORD PLAYER

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
1	SJY4016	Turntable Mat	1	C
2	SGX964-1	Ornament, Turntable	1	C
3	SJY3008-1	Turntable	1	C
4	SFGB321-1	Belt, Turntable	1	C
5	SJY5018	45 rpm Adaptor	1	C
6	SJY32	Main Gear Assembly	1	C
7	EPU01STB	P.U. w/Cartridge w/Stylus	1	C
8	EPC05STA	Cartridge w/Stylus	1	C
9	EPS36ST	Stylus	1	C
10	SJY42	Tone Arm Rest Assembly	1	C
11	SJY5026	Liftor	1	C
12	SJY9056	Spring, Tone Arm Plate	1	C
13	SJY1006-6	Player Board	1	C
14	SUW1290	Bracket B	1	C
15	SUW926-1	Bracket A	1	C
16	SJY5012	Knob, Cut	1	C
17	SJY9030-1	Label, Cut	1	C
18	SQT9630	Label, Stylus	1	C
19	SJY9058	Spring A, Lift	1	C
20	SJY9134-1	Shaft Lifter	1	C
21	SJY9048	Stopper, Lift	1	C
22	SJY9044	Switch Control Plate	1	C
23	SJY9042	Actuating Link Plate	1	C
24	SJY9046	Bracket, Switch Contro, Cue	2	C
25	SFUM623-4E	Lever, Tone Arm Plate	1	C
26	VF3B20S	Screw, Tone Arm Lever	1	C
27	SJY9016-1	Switch Lever	1	C
28	SJY6-1	Operating Plate Assembly	1	C
29	SJY9062	Spring, Operating Plate	1	C
30	SFUM623-2	Spacer, Operating Plate	1	C
31	SJY9060-1	Spring B, Lift	1	C
32	AM4700	Micro Switch	1	C
33	SHG916	Rubber, Cushion	1	C
34	SUP7960C	P.U. Board	1	C
35	SJY9132	Cut Plate	1	C
36	SJY9064	Spring Cut Plate	1	C
37	SJY9054	Cut Lever	1	C
38	SJY9128	Motor Pulley	1	C
39	MHE5P2KR	Motor	1	C
40	SJY9034-2	Shaft, Main Gear	1	C
41	SJY9004-2	Shaft, Turntable	1	C
42	SJY9002	Plate, Turntable Shaft	1	C
43	SWK184	P.U. Cord Assembly	1	C
44	SJY48	Turntable Base Assembly	1	C
45	SJY9124	Rubber Cushion, Motor	2	C
46	SHB9079	Hinge	1	C
47	SMC6086	Shield Paper	1	C
48	SJY9298	Spring, Cue	1	C
49	SJY36	Cue Lever Assembly	1	C
50	ECQM1H103MZ	0.01μF Polyester 50WV	1	C

EXPLODED VIEW OF CASSETTE DECK (SJD-88)



REPLACEMENT PARTS LIST

CASSETTE DECK (SJD-88)

Ref. No.	Part No.	Description	Per Set (pcs.)	Remarks
1	SMQ1626	Reel Table	2	B
1-1	XUC12FT	Circlip 1.2ϕ	2	C
2	SMQ1544	Tape Counter	1	B
2-1	XSS3+5S	Screw 3 mm × 5, Counter Mounting	2	C
3	SMQ1588	Belt, Counter	1	A
4	SMQ1364	Pressure Roller Assembly	1	A
4-1	XUCS19	Circlip 1.9ϕ	1	C
5	SMQ1366	Spring, Pressure Roller	1	B
6	SJH14	Erase Head	1	A
6-1	XSN2+10	Screw 2 mm × 10	2	C
7	SJH30	R/P Head	1	A
7-1	XSN2D6	Screw 2 mm × 6	1	C
7-2	XSN2+10	Screw 2 mm × 10	1	C
7-3	XWE2A6	Washer 2ϕ	1	C
8	SMQ678	Spring, R/P Head	1	B
9	SMQ1362-1	Head Base	1	C
10	SMQ1388	Eject Stop Lever w/Spring	1	C
10-1	XSB26+6	Screw 2.6 mm × 6, Head Panel	1	C
11	SMQ1354	Brake Arm	1	C
12	SMQ1358	Spring, Brake Arm	1	B
13	SMQ1394	Spring, Tape Holder	1	B
13-1	XYN26+5	Screw 2.6 mm × 5	1	C
14	SMQ1390	Lever Assembly, Auto-stop	1	C
14-1	XSS2+5	Screw 2 mm × 5	1	C
15	SMQ1392	Spacer, Auto-stop Lever	1	C
16	SMQ1444	Spring B, Head Panel	1	B
16-1	XUC25FT	Circlip 2.5ϕ	1	C
17	SMQ1360	Spring A, Head Panel	2	B
18	XSB26+4	Screw 2.6 mm × 4, Head Panel	1	C
19	SMQ1232	Lever, REC Safety	1	C
19-1	SMQ1706	Stopper, REC Safety Lever	1	B
20	SMQ662	Spring, REC Safety Lever	1	B
22	MHT5PS	DC Motor	1	A
22-1	XWE26D7	Washer 2.6ϕ, 0.5t	3	C
22-2	XSN26+6	Screw 2.6 mm × 6	3	C
23	SMQ1384	Motor Pulley w/Screw (XXA2A-3)	1	B
24	SMQ718	Spacer, Motor	3	C
25	SMQ716	Rubber Cushion, Motor	3	C
26	SMQ1378	Leaf Switch, Motor ON-OFF	1	A
26-2	XSB26+6	Screw 2.6 mm × 6	1	C
27	SMQ1704	Push Button Frame Assembly	1	C
28	SYE436	Push Button, REC	1	B
29	SYE434	Push Button	6	B
30	SMQ1396	Lever, Eject Slide, w/Spring	1	C
30-1	XSN26+6	Screw 2.6 mm × 6	1	C
30-2	XYN26+5	Screw 2.6 mm × 5	1	C
31	SMQ1374	Spacer A, Eject Slide Lever and Head Panel	2	C
32	SMQ1398	Spacer B, Eject Slide Lever and Head Panel	2	C
33	SMQ1530	Play Lever	1	C
34	SMQ1524	Spacer, Play Lever	1	C
35	SMQ1528	Bracket, Amp. Switch	1	C
35-1	XSN26+5	Screw 2.6 mm × 5, Amp. Switch	1	C
35-2	XYN26+C6	Screw 2.6 mm × 6, Play Lever	1	C
36	SMQ1380	Leaf Switch, Tape Amp. ON-OFF	1	A
36-1	XWE2A6	Washer 2ϕ	1	C
36-2	XSN2+5	Screw 2 mm × 5, Amp. Switch	1	C
37	SMQ1436-1	Lever, Auto-stop Drive	1	C
37-1	XWE26E8	Washer 2.6ϕ, 0.5t	1	C
37-2	XSN26+6	Screw 2.6 mm × 6	1	C
38	SMQ1438	Spacer, Auto-stop Lever	1	C
39	SMQ1422	Lever, REC Slide	1	C
40	SMQ1426	Spacer, REC Slide Lever	1	C
40-1	XYN26+5	Screw 2.6 mm × 5	1	C
41	SMQ1386	Rewind Idler	1	C
41-1	XUC15FT	Circlip 1.5ϕ	1	C
42	SMQ1408	Rewind Arm w/Spring	1	C
43	SMQ1406	Operation Plate, Brake	1	C
43-1	XUC4FT	Circlip 4ϕ	1	C
44	SMQ1382-1	FF Arm Assembly w/Spring	1	C
44-1	XUC4FT	Circlip 4ϕ	1	C
45	SMQ678	Spring, Flywheel Retainer	1	B
46	SMQ1370-1	Bearing, Flywheel	1	C
46-1	SMQ1402	Nylon Washer	1	C
46-2	XYN2+C5	Screw 2 mm × 5	3	C
47	SMQ686-1	Flywheel	1	B
47-1	SMQ148	Washer, Oil Thrower	2	C
48	SMQ1372	Belt, Main	1	A
49	SMQ1404	Retainer, Flywheel	1	C
49-1	XSN26+10	Screw 2.6 mm × 10	1	C
50	SMQ1368	Clutch Assembly w/Spring	1	C
50-1	XUC2FT	Circlip 2ϕ	1	C
51	SMQ1410	Pause Lever	1	C
51-1	XYN26+5	Screw 2.6 mm × 5	1	C
52	SMQ1412	Spacer, Pause Lever	1	C
53	SMQ1414	Pause Slide Lever A w/Spring	1	C
53-1	XUC2FT	Circlip 1ϕ	1	C
54	SMQ1416	Pause Slide Lever B	1	C
54-1	XUC15FT	Circlip 1.5ϕ	2	C
54-2	XWE2A6	Washer 2ϕ	1	C
55	SMQ1376	Pause Click Lever	1	C
55-1	XUC15FT	Circlip 1.5ϕ	1	C
56	SMQ1418	Spring, Pause Click Lever	1	B
58	SMQ1430	Rewind Lever	1	C
58-1	SMQ1434	Nylon Washer 6.1ϕ	1	C
59	SMQ1432	FF Lever	1	C
59-1	XUC32FT	Circlip 3.2ϕ	1	C